

BN/SB/08A/B

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/553,319
Filing Date	October 17, 2005
First Named Inventor	PEER et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PEER2A

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/H.S./	AA	US-4,866,699		09-12-1989	BRACKETT et al.	
/H.S./	AB	US-5,177,768		01-05-1993	CRESPO et al.	
/H.S./	AC	US-5,867,290		02-02-1999	DUTT et al.	
/H.S./	AD	US-6,236,483		05-23-2001	DUTT et al.	
/H.S./	AE	US-2002/0183696		11-7-2002	HUANG et al.	
/H.S./	AF	US-5,784,506		07-21-1998	PFEIFFER	
/H.S./	AG	US-6,025,944		02-15-2000	MENDEZ et al.	
/H.S./	AH	US-2003/0147655		08-07-2003	SHATTIL	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	AI	WO	00/29887	05-25-2000	TEMPLEX TECHNOLOGY, INC.		

Examiner
Signature

/Hemang Sanghavi/

Date
Considered

10/01/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



BN/SB/08A/B

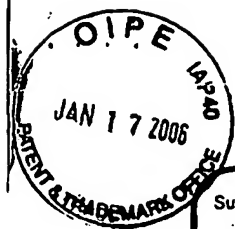
Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/553,319
		Filing Date	October 17, 2005
		First Named Inventor	PEER et al.
		Group Art Unit	
		Examiner Name	
Sheet 2	of 3	Attorney Docket Number	PEER2A

NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/H.S./	AJ	L. Mandel and E. Wolf, Optical coherence and quantum optics, 22:1069-1108, Cambridge University Press (1995)	
/H.S./	AK	G. D. Boyd and D. A. Kleinman, Parametric interaction of focused Gaussian light beams, <i>J. Appl. Phys.</i> , 39:3597-3639 (1968)	
/H.S./	AL	T. G. Giallorenzi and C. L. Tang, Quantum theory of spontaneous parametric scattering of intense light, <i>Phys. Rev.</i> , 166:225-233 (1968)	
/H.S./	AM	C. K. Hong and L. Mandel, Theory of parametric frequency down conversion of light, <i>Phys. Rev. A.</i> , 31:2409-2418 (1985)	
/H.S./	AN	I. Abram, R. K. Raj, J. L. Oudar and G. Dolique, Direct observation of the second-order coherence of parametrically generated light, <i>Phys. Rev. Lett.</i> , 57:2516-2519 (1986)	
/H.S./	AO	G. Bjork and Y. Yamamoto, Phase correlation in nondegenerate parametric oscillators and amplifiers: Theory and applications, <i>Phys. Rev. A.</i> , 37:1991-2006 (1988)	
/H.S./	AP	B. Huttner, S. Serunik and Y. Ben-Aryeh, Quantum analysis of light propagating in a parametric amplifier, <i>Phys. Rev. A.</i> , 42:5594-5600 (1990)	
/H.S./	AQ	I. Abram and E. Cohen, Quantum theory for light propagation in a nonlinear effective medium, <i>Phys. Rev. A.</i> , 44:500-517 (1991)	
/H.S./	AR	A. Joobeur, B. E. A. Saleh, T. S. Larchuk and M. C. Teich, Coherence properties of entangled light beams generated by parametric down-conversion: Theory and experiment, <i>Phys. Rev. A.</i> , 53:4360-4371 (1996)	
/H.S./	AS	A. M. Weiner, Femtosecond pulse shaping using spatial light modulators, <i>Rev. Sci. Instrum.</i> , 71:1929-1960 (2000)	
/H.S./	AT	J. A. Salehi, A. M. Weiner and J. P. Heritage, Coherent ultrashort light pulse code-division multiple access communication systems, <i>Journal of Lightwave Technology</i> , 8:478-491 (1990)	
/H.S./	AU	M. E. Marhic, Coherent optical CDMA networks, <i>Journal of Lightwave Technology</i> , 11:854-863 (1993)	

Examiner Signature	/Hemang Sanghavi/	Date Considered	10/01/2007
--------------------	-------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



BNSB/08A/B

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3

of 3

Application Number	10/553,319
Filing Date	October 17, 2005
First Named Inventor	PEER et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PEER2A

NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION

Examiner Initials*	Cita No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/H.S./	AV	H. P. Sardesai, C. C. Chang and A. M. Weiner, A femtosecond code-division multiple-access communication system test bed, <i>Journal of Lightwave Technology</i> , 16:1953-1964 (1998)	
/H.S./	AW	H Fathallah, L. A. Rusch and S. LaRochelle, Passive optical fast frequency-hop CDMA communication system, <i>Journal of Lightwave Technology</i> , 17:397-405 (1999)	
/H.S./	AX	M. Kavehrad, Optical code division-multiplexed systems based on spectral encoding of noncoherent sources, <i>Journal of Lightwave Technology</i> , 13:534-545 (1995)	
/H.S./	AY	L. Nguyen, T. Dennis, B. Aazhang and J. F. Young, Experimental demonstration of bipolar codes for optical spectral amplitude CDMA communication, <i>Journal of Lightwave Technology</i> , 15:1647-1653 (1997)	
/H.S./	AZ	A. J. Mendez, R. M. Gagliardi, H. X. C. Feng, J. P. Heritage and J. M. Morookian, Strategies for realizing optical CDMA for dense, high-speed, long span, optical network applications, <i>Journal of Lightwave Technology</i> , 18:1683-1695 (2000)	
/H.S./	BA	Natarajan, B. et al., High-performance MC-CDMA via carrier Interferometry codes, <i>IEEE Trans. Veh Tech.</i> , 50(6)1344-1353 (Nov. 2001)	
/H.S./	BB	Pe'er Avi et al., Optical direct sequence spread spectrum and code division multiplexing using broadband, parametrically generated light, <i>Journal of Lightwave Technology</i> , 22(6)1-9 (June 2004)	

Examiner
Signature

/Hemang Sanghavi/

Date
Considered

10/01/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10553319
Filing Date	2005-10-17
First Named Inventor	Avi PEER
Art Unit	2874
Examiner Name	H. Sanghavi
Attorney Docket Number	PEER=2A

U.S.PATENTS

Remove

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/H.S./	1	20020126370		2002-09-12	Neil BRODERICK et al	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS

Remove

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

Add

NON-PATENT LITERATURE DOCUMENTS

Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10553319
Filing Date	2005-10-17
First Named Inventor	Avi PEER
Art Unit	2874
Examiner Name	H. Sanghavi
Attorney Docket Number	PEER=2A

/H.S./	1	NOVERO, C., "Biphoton Electromagnetic Fields and their Applications"; The Radio Science Bulletin, No. 304, March 2003, pages 5-16, XP002402230.	<input type="checkbox"/>
--------	---	---	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Hemang Sanghavi/	Date Considered	10/01/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.